

## ABSTRACT

A write PLL circuit generates a write clock signal for writing a video signal into a line memory. A readout PLL  
5 circuit generates a read clock signal for reading out the video signal stored in the line memory. An inner pincushion distortion correction voltage generation circuit modulates a correction waveform in the horizontal scanning period of time by a correction waveform in the vertical scanning period  
10 of time, to generate an inner pincushion distortion correction waveform, and adds a DC correction pulse to the inner pincushion distortion correction waveform and outputs the inner pincushion distortion correction waveform as an inner pincushion distortion correction voltage. A capacitive  
15 coupling circuit superimposes the inner pincushion distortion correction voltage on an output voltage of a loop filter of the readout PLL circuit, and feeds the inner pincushion distortion correction voltage to a VCO as a control voltage.